

has a physiological meaning.”

Page 2, after line 4, inset the following paragraph - [The inventor of the present invention found that in the case of a receptor satisfying the following condition below, either X or Y, and also having one or more variants in size because of alternative splicing or post-translational modification, the amino acid sequence of the missing portion, i.e., the spliced portion or the portion inserted or added, has a physiological meaning. Condition X is the condition where there is in the body a substance or cell having a functional antagonism against a substance A which is a ligand of a receptor. Condition Y is the condition where there is in the body a substance or cell having a functional antagonism against a cell which expresses the receptor whose ligand being a substance A.--

### In The Claims

Amend claims 1-3 as follows:

- Sub C1
1. (AMENDED) A method for searching for physiologically active substances, the method comprising the steps of:
    - identifying amino acid sequences of receptors having [two] one or more [sizes for identical receptors] variants in size, the receptors being receptive of an identical ligand and being products of a some gene, wherein there is in human body a substance or cell having a functional antagonism against the ligand for the receptor or against a cell which expresses the receptor of the ligand; [is a receptor of a substance present in human body, or wherein a cell or substance having a functional antagonism to cells on which a certain substance causes effects is a receptor of the substance present in human body,] and
    - identifying which domain in the receptor having a longer size is missing in the receptor having a shorter size.

2. (AMENDED) The method according to claim 1, wherein: